UK Subject to change

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USER'S MANUAL

Ferm Belt Sander

FBS-800

Ferm art.nr: 730680
Screwfix nr. 13785

UK English

FERM FBS-800 BELT SANDER USERS MANUAL

TECHNICAL SPECIFICATIONS

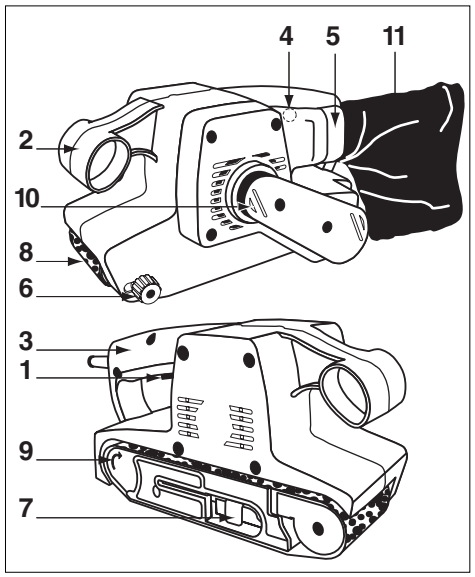
Voltage	230 V~
Frequency	50 Hz
Power input	800 W
No load sander paper speed	280m/min
Sanding belt size	75 x 533 mm
Sanding pad size	75 x 160 mm
Weight	3.0 kg
Lpa (Sound pressure)	88.6 dB(A)
Lwa (Sound power level)	101.6 dB(A)
Vibration value	3.511 m/s2

PACKAGE CONTENTS

1 Belt sander
1 Sanding belts
1 Dust collection bag
1 Instruction manual
1 Safety instructions
1 Guarantee card

Check the machine, loose parts and accessories for transport damage

PRODUCTINFORMATION



1. On/off switch
2. Front handle
3. Rear handle
4. Blocking switch
5. Dust collection opening
6 Adjusting knob
7. Sanding belt fastener
8. Front belt roller
9. Direction indicator
10. Drive belt cover
11. Dust bag

SAFETY INSTRUCTIONS

The following pictograms are used in these instructions for use:

Denotes risk of personal injury, loss of life or damage to the tool in case of non-observance of the instructions in this manual.

Carefully read this manual before using the machine. Make sure that you know how the machine functions and how to operate it. Maintain the machine in accordance with the instructions to make sure it functions properly. Keep this manual and the enclosed documentation with the machine.

Ferm products are manufactured to high quality standards they are safe and fit for purpose at time of sale, but all tools can be dangerous if the correct precautions are not taken.
Always follow these instructions, do not carry out the operation until you are sure you can do so in safety. Remember to consider the work environment for safe operation as well as safety for tool use.

Warning! *When using electric tools, basic safety precautions should always be followed to reduce the risk of fire, electric shock and personal injury. Read all these instructions before attempting to operate this product. Save these instructions for future reference.*

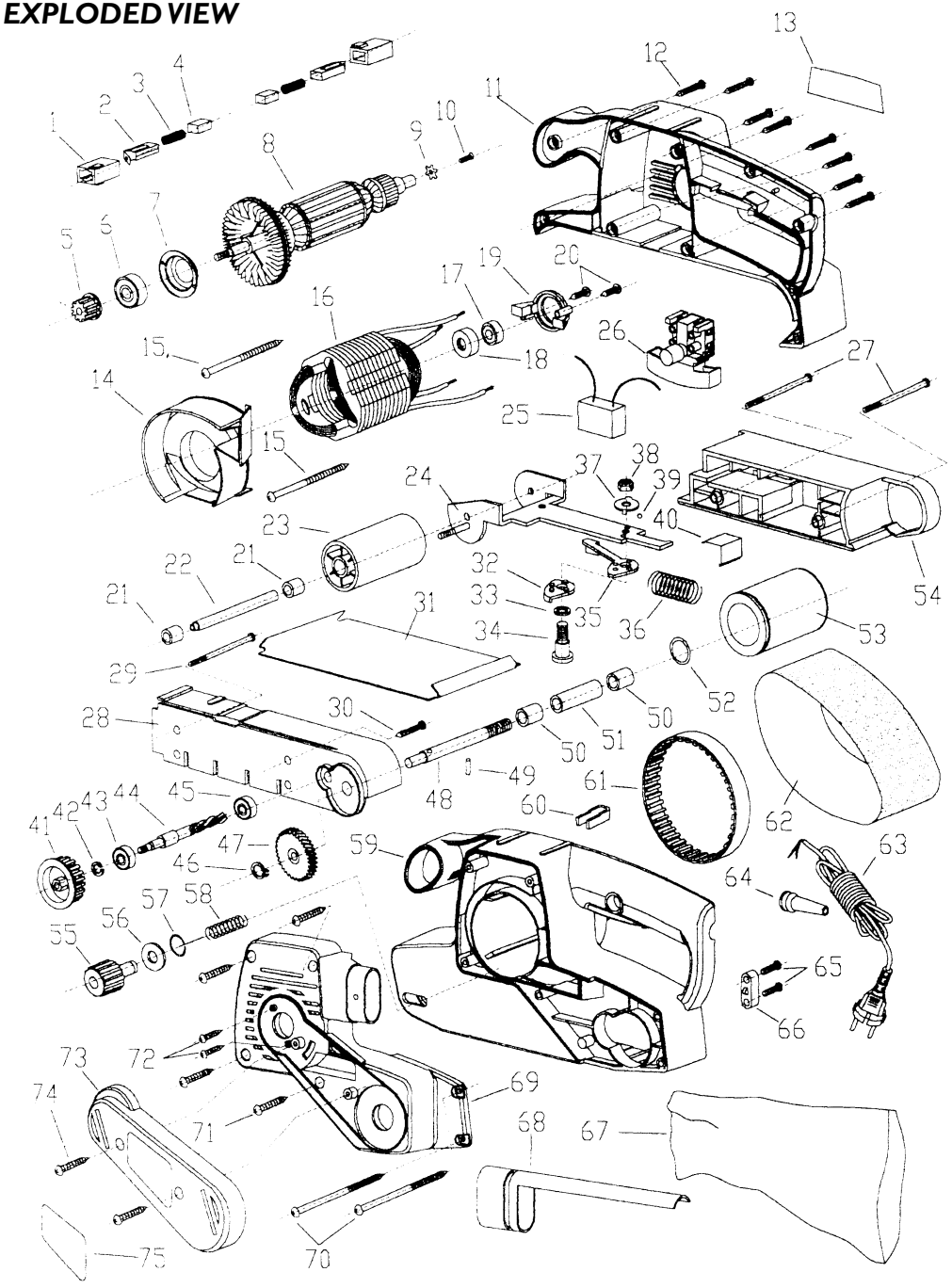
PERSONAL SAFETY

Use Personal Protection Safety Equipment
Protect eyes with safety glasses or goggles note: the use of safety protective eyewear without the CE mark can lead to serious injury if the lens breaks. A suitable dust mask should be worn if cutting, drilling or sanding is dusty, in particular chipboard or MDF.
Approved safety footwear and headgear should worn as appropriate, for example on building works or when heavy weights are involved. Wear suitable gloves and apron to protect against sparks/debris. Wear earplugs or ear defenders.

Dress properly
Do not wear loose clothing or jewellery. It can get caught in moving parts. Non-skid footwear is recommended when working out doors. Wear protective hair covering to contain long hair.

Stay alert
Watch what you are doing Use common sense. Do not operate tools when tired or after taking alcohol or prescription/ non-prescription drugs.

EXPLODED VIEW



SPARE PARTS LIST

REF NR	DESCRIPTION	FERM Nr
01 +02	CARBON BRUSH HOLDER	409000
03 + 04	CARBON BRUSH SET	409001
05	BELT WHEEL	409002
06	BEARING 608-2Z	800608
08	ROTOR	409003
16	STATOR	409004
17	BEARING 626-2Z	800626
21 + 50	NEEDLE BEARING HK081210	801211
22	SPINDLE	409005
23	ROLL	409006
26	SWITCH	409007
31	BASE PLATE	409008
41	BELT WHEEL	409009
43 + 45	BEARING 627-2Z	800627
44	SPIRAL GEAR	409010
47	BIG GEAR	709011
53	DRUM	409012
55	ADJUSTING KNOB	409013
73	BELT COVER	409014
67 + 68	DUSTBAG COMPLETE	409015
61	DRIVING BELT	409016

OPERATIONAL SAFETY

Warning! *Be aware this sander can produce fine dust, which can be hazardous to your health.*
Some older painted surfaces may contain harmful lead. Clean the area and tool thoroughly after sanding.
Always use a suitable mask, eye protection, gloves and use dust extraction during sanding and cleaning.

Concentrate
Routine and repetition can lead to mistakes. Remember that a slight lack of concentration can result in serious injuries in a split second

Keep work area clean
Cluttered areas and benches invite injuries.

Consider the work environment
Do not expose power tools to rain or use them in damp or wet locations. Keep work area well lit. Do not use power tools in the presence of flammable liquids, vapours or gases.

Guard against electric shock
This unit contains dangerous voltages. Use a RCD (residual current device) to provide protection against electrical shock. Prevent body contact with grounded surfaces (e.g. pipes, radiator, ranges or refrigerators).

Keep children and pets away
Do not let children or pets come into contact with the tool, extension cable or work area.

Do not force the tool
It will work better and safer at the rate for which it was intended.

Use the right tool
Do not force small tools or attachments to do the job of a heavy-duty tool. Do not use tools for purposes for which they were not intended; for example do not use a circular saw for cutting trees or logs.

Do not abuse the cable
Never carry the tool by the cable or pull it to disconnect it from the power socket. Keep the cable away from heat, oil and sharp edges. Do not touch the metal plug pins when connecting or removing the plug.

Do not over-reach
Keep a proper footing and balance at all times.

Disconnect tools from power supply
When not in use, before servicing and when changing accessories such as blades, bits and cutters. Always switch off and unplug the sander from the power supply before making adjustments or changing abrasive belts.

Remove adjusting keys and wrenches
Ensure that they are removed from the tool before switching on.

Avoid unintentional starting
Do not carry plugged in tools with your finger on the switch. Check that the switch is off before plugging in to socket.

Extension cables
Use only three core earthed extension cables suitable for the power input of the tool (minimum cable size 1.5mm2). Plug into an earthed socket only.
When using a cable reel unwind it fully. Do not use long extension cables.

Outdoors use
If the tool is suitable to be used outdoors, only use an extension cable intended for outdoor use and marked accordingly. Use a RCD (residual current device) to provide protection against electrical shock. Do not use in rain or damp conditions.

Connect a dust extraction device
Whenever there are facilities for fitting a dust or fume extraction system, make sure it is connected and used.

Use recommended accessories
The use of any other accessory or attachment other than recommended in the instructions or catalogue may present a risk of personal injury. Use an extension cable with a minimum conductor size of 1.5mm2.
When using a cable reel unwind it fully.

USING THE BELT SANDER

The sander is designed for sanding wood, removing rust, sanding metal and polishing only. This machine is designed to be used hand held only - do not fix to a bench with clamps or vice.
Ensure the sander is switched off and unplugged before changing belts, adjusting or inspecting.

BEFORE OPERATING

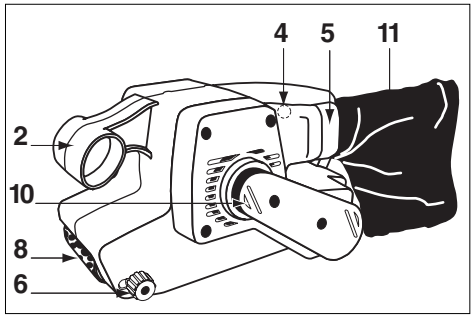
- Check the voltage on the sander corresponds with your power supply voltage and that the plug and lead are in good condition.
- You have the correct type of abrasive. Depending on the finish required use coarse grade 50 for rough/uneven surfaces and medium grade 80 for more even surfaces, finally finish with fine grade 120.
- The sander is only for use on dry surfaces – it is not designed to be used in wet or damp conditions -Do not use water as a lubricant/cutting medium or wet and dry abrasive paper.
- Use abrasive belts designed for the sander – install facing the right way.
- Ensure you have and wear suitable personal protection equipment during sanding and cleaning.
- Route the mains lead away from work area.
- Run idle for 30 seconds - if there is any abnormal vibration or other fault – switch off, inspect and rectify before continuing.

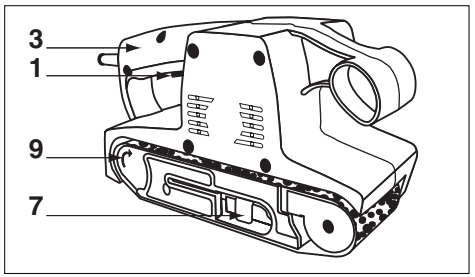
Fitting the dust collector bag
Refer to illustration below
- Dust collector bag (supplied) – the dust bag attaches to the opening (5) at the side of the machine.
- Push the bag assembly (11) onto the dust exhaust hole firmly.
- During use empty bag frequently, there is a zip at the rear of the bag for this purpose.

Fitting/replacing the abrasive belts
Refer to illustration below.
- Only use abrasive belts that are suitable for this sander. Do not cut belts, which are too wide to fit, it is dangerous and will result in damage to the transport mechanism.
- Put the machine on its side with the drive belt cover (10) downwards.
- Pull the lever (7) outwards and to the left as far as it will go.
- Remove the old belt from machine
- Position the new belt on to the sander making sure that direction arrows on inside of the belt face the same way as the direction indicator (9) on the machine.
- Line up the belt so that it sits squarely on the front and rear rollers and is fully home.
- Close the lever to the right to lock the belt in place.

Aligning the belt
If the belt does not run parallel to the outside edge of the machine adjust it by turning knob (6) clockwise to move the belt to the inside and anticlockwise to move to the outside. Make sure the machine is turned off and unplugged during adjustment.

OPERATION
- Make sure the switch on the sander is **OFF**.
- Plug into a suitable mains supply; check the cable is routed well away from moving parts and switch on at plug.
- To switch the sander **ON** – Press the trigger switch (1)
- Continuous operation - press button (4) in while trigger switch is depressed then release trigger switch – the machine is now in continuous operation mode.
- To switch **OFF** – release trigger switch (depress and release in continuous operation mode).





DURING USE
- Let the machine come to full speed before using – this helps to stop the belt getting clogged.
- Use gentle pressure – excessive pressure will clog the abrasive paper and slow the sanding action.
- Regularly inspect the abrasive during use (switch off first) for signs of damage or wear and replace as required.
- Keep the machine moving – this allows the debris to be cleared easily and increases the life of the abrasive.
- Do not sand wood directly up and down the grain – keep the sander at an angle of 15o to the grain.
- Keep the ventilation slots clear – clean dust and debris with soft brush (switch off and unplug first).
- Always use the dust bag supplied, it does not provide complete protection from very fine dust, therefore it is strongly recommended that a suitable dust mask should be worn in addition to other personal protection items.

MAINTENCE, CARE AND REPAIR

⚠ *Switch off and unplug the machine before carrying out any cleaning or maintenance work.*

CLEANING
Wear personal protection equipment during cleaning
Do not use water or flammable liquids to clean the sander, clean with a soft brush.

FAULTS
Switch OFF immediately at the mains plug and remove the plug when:
- The plug or cable is damaged.
- The switch on the machine is defective.
- You smell or see smoke caused by scorched insulation in the machine.

Overheating
– Put less pressure on the workpiece.

The dust is not removed
- Clean the dust extraction opening.
- Empty the dust extractor bag.

The machine does not start when switched on
- Check the mains lead and the fuse/plug. Take to your Ferm Dealer for repair.

The motor is defective
- Take to your Ferm Dealer.

⚠ *There are no user serviceable/repairable parts inside this machine. Qualified service engineers must carry out repairs and servicing.*

MAINTAIN TOOLS WITH CARE
Keep the tool clean for better and safer performance.
Follow instructions for changing accessories. Inspect tool and extension cables periodically and if damaged, have them repaired by a qualified person or authorised service body.

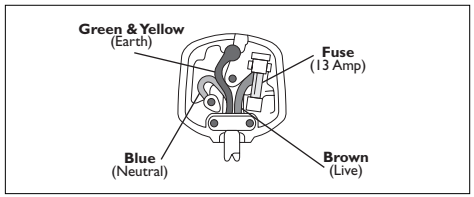
Check for damaged parts.
Do not use a tool with damaged parts, before further use a damaged tool must be carefully checked by a qualified person to determine that it will operate properly. Check for alignment of moving parts, binding or breakage of parts, mounting and other conditions that may affect its operation.
A damaged part or guard should be properly repaired by an authorised service centre, unless indicated otherwise in the instruction manual. Have defective switches replaced by an authorised service centre. Do not use a tool if the switch does not turn on and off.

Have your tool repaired by an expert
This appliance is manufactured in accordance with relevant safety standards. Only experts must carry out repairing of electrical appliances, otherwise considerable danger for the user may result.

Storing tools
When not in use tools should be stored in the dry, out of reach of children.

ELECTRICAL INFORMATION
This product is complete with a pre-wired mains plug, If the plug needs replacing follow these instructions.
This sander is double insulated in accordance with EN 50144 therefore no earth wire is required.

Wire correctly
The wires in the mains lead are coloured in the following way:
BLUE -Neutral
BROWN -Live



Securing wires
Secure wires carefully and firmly to the correct terminals. Secure the mains cable in the plug cord grip firmly
Fit a 13-amp fuse. If a 13amp (BS1363) plug is used a (BS 1362) ASTA approved 13-amp fuse must be fitted.

Recycle/dispose of old plug and cable
Prevent inadvertent connection to socket and risk of electric shock.

ENVIRONMENT
Recycle the packaging according to the identification marks on it.
At the end of the product or its accessories life please recycle where facilities exist - phone the Helpline for current advice on recycling.

Helpline
For any questions relating to operational or safety matters contact:
Ferm Customer Helpline on: **0115 966 1199**
Monday-Friday **8am – 6pm**
Saturday **9am – 1 pm**

GUARANTEE
The guarantee conditions can be found on the separately enclosed guarantee card.

CE DECLARATION OF CONFORMITY (UK)

We declare under our sole responsibility that this product is in conformity with the following standards or standardized documents

EN55014-1, EN55014-2,
EN50144-1, EN50144-2-4.
EN61000-3-2, EN61000-3-3

in accordance with the regulations.

98/37/EEC
73/23/EEC
89/336/EEC

from 01-05-2001
GENEMUIDEN NL
W. Kamphof
Quality department